ACIP

Seattle, MIDO

2003

ACIP

Automated Conformity Inspection Process

A computer program that will be used for generating Request for Conformity (RFC) or Type Inspection Authorization (TIA), and also for databasing the documents.

It will also be used for deploying either document to other FAA offices, and organizational or independent designees.

Why ACIP

Over the years RFCs and TIAs have been created by the ACO, authorized DER or applicant by actually hand writing or typing on the forms. They are then forwarded to the FAA manufacturing office for review and delegation to the designee either via fax or mail. This process does not provide for an efficient way of generating, databasing, and deploying conformity inspection forms.

Why ACIP…….continuation

The Seattle MIDO has developed ACIP to accomplish the aforementioned tasks digitally or via computer.

ACIP is intended initially to be deployed within TAD. With concurrence from HQ well be deployed within AIR.

Phases of Development

Phase I

Develop a web based system and web based RFC form to initiate a RFC. RFC's are initiated by ACO or MIDO. RFC's are controlled, transferred, and assigned to designees via the web based system (completed)

Phase II

DER initiated RFC's are submitted via web. Develop additional forms for inclusion in ACIP. TIA and other forms that require signature (action pending)

Phase III

Expand system to provide a return path from DMIR/DAR to MIDO and ACO/DER. Develop additional forms. 8100-1, STIR, TIR, 8130-9. (action pending)

Phases of Deployment

Phase I

After beta testing, (done)

deploy ACIP within TAD (action pending)

Phase II

Introduce ACIP to the ACOMT, and MIMT as a viable concept. (done)

Phase III

ACOMT and MIMT to introduce ACIP to AIR for use by the entire Aircraft Certification Service. (done)

Immediate Benefits Derived from ACIP

- Capable of accepting completed forms from outside of the FAA (e.g., DER, applicant, etc..)..
- Capable of tracking revisions to previously submitted forms.
- Forms are expediently deployed digitally vs. fax or mail. (recipients machine could be out of paper/jammed/etc. or get lost on the mail)
- Digital databasing of deployed forms.

Immediate Benefits Derived from ACIP ……..continuation

- Efficient search capability using different fields in the forms.
- Database could be viewed by the certification personnel within the FAA to verify project status.
- Since the forms are digitized, physical space in the work stations are freed for other purpose.
- Historical trace of people (by name, date, & activity) that generated or revised a form.

Immediate Benefits Derived from ACIP ……..continuation

- Manufacturing designees will receive the delegated projects via internet. (image of the form)
- ACO engineers can dispose unsatisfactory conformity inspection results digitally.
- DIN is accessible in ACIP (for accessing designee e-mail)
- Firewall protected from viewing outside of the FAA.

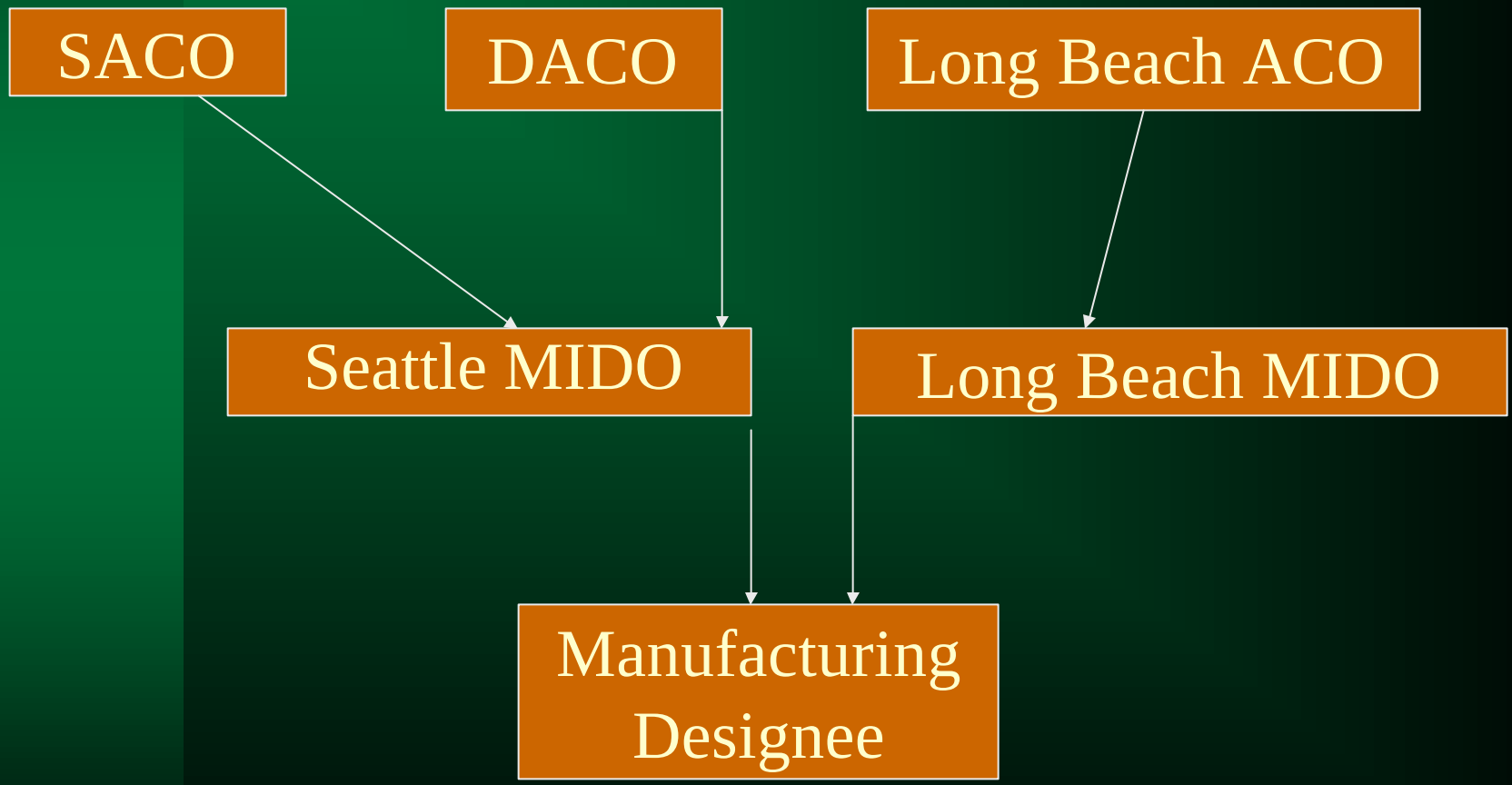
Future Benefits …. pending AIR approval

- Immediate digital return of conformity inspection package from the manufacturing designees, or other FAA manufacturing offices. Virtually cuts the loss of conformity inspection package via mail to “ZERO”.
- Digital archiving of ALL conformity inspection package.
- Expedient retrieval to view historical conformity inspection package from the digital archive.

Future Benefits….. continuation

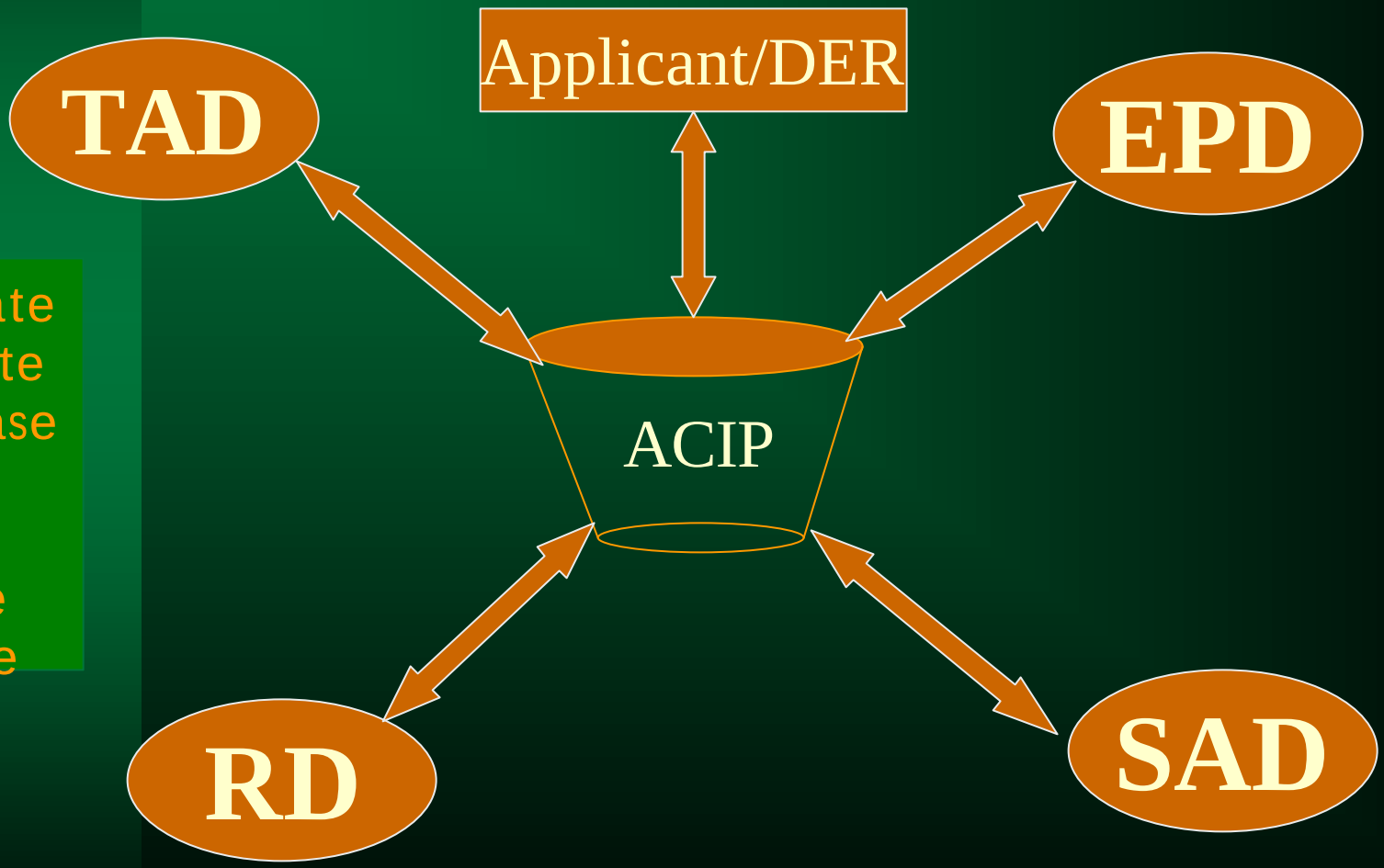
- Ultimately paperless conformity inspection process.
- And others to good to even mention……

TAD RFC/TIA Flow

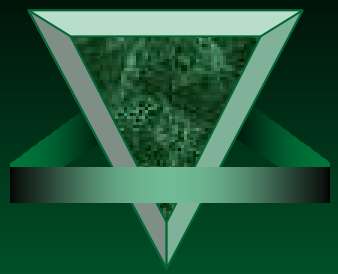


Future ACIP Usage

Conformity Inspection Package Flow



Generate
Delegate
Database
Track
Review
Archive
Retrieve



QUESTIONS……..???